

SAFETY DATA SHEET

Section 1 Identification of the material and the supplier

Product: **Boron Treated Radiata Pine**
Product Use: Timber components for use in structures in protected situations where insect and fungal decay resistance is required
Other names: Boric treated softwood
New Zealand Supplier: Red Stag Timber
Address: PO Box 1748
Rotorua 3040
Telephone: (07) 349 5800
Fax Number: (07) 347 0958
Date of SDS Preparation: 26/06/2020

Section 2 Hazards Identification

This substance is **NOT** hazardous according to the *Hazardous Substance Regulations 2017*

Section 3 Composition / Information on Ingredients

Name	CAS Number	Weight %
Pinus Radiata – Timber	N/A	> 90
Wood preservative residuals as Disodium Octaborate Tetrahydrate	12008-41-2	0.1 – 3
Benzalkonium chloride	8001-54-5	0.1 – 1
Mono Ethylene Glycol	107-21-1	1 – 5

Section 4 First Aid Measures

Routes of Exposure:

If in Eyes: Hold eyes open and carefully rinse eyes with running water for several minutes. Seek medical advice if irritation persists.

If on Skin: Brush off dust. Rinse skin with soap and water or shower. If skin irritation occurs, get medical attention. Get medical advice if pierced by splinters.

If Swallowed: Rinse mouth. Do not induce vomiting unless told to do so by a medical professional. Seek medical attention if you feel unwell.

If Inhaled: If breathing is difficult, remove to fresh air and keep at rest in a position comfortable for breathing. If person is not breathing, begin artificial respiration. Use mouth-to-nose rather than mouth-to-mouth. If experiencing respiratory symptoms: Seek medical attention.

Section 5 Fire Fighting Measures

Hazard Type	Combustible material
Hazards from decomposition products	Avoid breathing smoke or fumes that may contain hazardous decomposition products. Carbon dioxide, carbon monoxide, oxides of nitrogen. May produce toxic decomposition products in fumes and smoke in fire.
Suitable Extinguishing media	Water spray.
Precautions for firefighters and special protective clothing	Wear personal protection equipment and self-contained breathing apparatus. Wood dust may form explosive mixtures with air.
HAZCHEM CODE	None Allocated

Section 6 Accidental Release Measures

GENERAL:

Wear appropriate personal protective equipment. Avoid any contact with skin or eyes.

Dispose of treated off cuts to authorised landfill. Wash and dry any contaminated protective equipment before re-use.

Section 7 Handling and Storage

HANDLING:

- Wear protective clothing.
- Wash hands before smoking, eating, drinking or using the toilet
- Keep away from sparks, open flames, hot surfaces. No smoking.

STORAGE:

- Store in a dry, well-ventilated place, away from sources of heat or ignition
- Store away from incompatibilities listed in Section 10.

Section 8 Exposure Controls / Personal Protection

WORKPLACE EXPOSURE STANDARDS (provided for guidance only)

Substance	TWA		STEL	
	ppm	mg/m ³	ppm	mg/m ³
Wood dust (soft wood)		2		
Borates, tetra, sodium salts	(anhydrous)	1		
	(decahydrate)	5		
	(pentahydrate)	1		
Ethylene glycol (vapour and mist)	Ceiling -	50	127	

ENGINEERING CONTROLS:

Use with mechanical dust extraction or in well-ventilated area or outside.

Avoid sawing or sanding of timber that is wet (not dry) with the preservative treatment

PERSONAL PROTECTIVE EQUIPMENT:

Eyes	Wear goggles, full face shield, or safety glasses with side shields when cutting this product.
Hands and Skin	Wear protective clothing such as overalls and shirt with sleeves, also closed in footwear. Wear puncture-resistant gloves (e.g. leather) when handling dry wood, or rubber gloves if the surfaces are wet with preservative..
Respiratory	Use in well-ventilated area or outside. Wear dust mask if wood dust is generated.
General	Wash hands before eating, drinking, smoking, using the toilet and at the end of the shift.

Section 9 Physical and Chemical Properties

Appearance	Machined or rough-sawn pine timber and timber-based products; may be a pink/red colour, natural wood colour or may be painted
Odour	Not available
Odour Threshold	Not applicable
pH	Not applicable
Boiling Point	Not applicable
Melting Point	Not applicable
Freezing Point	Not available
Flash Point	Not applicable
Flammability	Combustible
Upper and Lower Explosive Limits	Not applicable
Vapour Pressure	Not applicable
Density at 20^oC	0.4 – 0.6 g/cm ³
Solubility in water	Insoluble
Partition Coefficient:	Not applicable
Auto-ignition Temperature	Not applicable
Decomposition Temperature	Not available
Kinematic Viscosity	Not available
Particle Characteristics	Not available
% Volatiles	Not applicable
Evaporation Rate	Not applicable

Section 10 Stability and Reactivity

Chemical Stability:	Stable under normal storage and use conditions.
Conditions to Avoid:	Avoid contact with extreme heat.
Incompatibility:	Other combustible materials, Strong oxidising agents, acids, alkalis.
Hazardous	Carbon dioxide, carbon monoxide, oxides of nitrogen. May produce toxic
Decomposition:	decomposition products in fumes and smoke in fire.
Products	

Section 11 Toxicological Information

Acute Effects:

Swallowed	Not applicable.
Dermal	Not applicable.
Inhalation/Respiratory	Sawdust may cause asthma-like symptoms.
Eye	Sawdust may cause eye irritation.
Skin	Sawdust may cause skin irritation. May cause skin sensitization.

Chronic Effects:

Carcinogenicity	Sawdust may cause nasal/paranasal cancer through repeated exposure.
Reproductive Toxicity	Not applicable.
Germ Cell Mutagenicity	Not applicable.
STOT/SE	Not applicable.
STOT/RE	May cause damage to skin and lungs through repeated exposure.
Aspiration	Not applicable.

Section 12 Ecotoxicological Information

This product is not known to be a hazard to the environment. FramePro treated wood may contain ecotoxic compounds, which may leach out into waterways over time. Remove from waterways as soon as possible.

Persistence/Degradeability:	No data available
Mobility in Soil:	No data available
Bioaccumulative potential:	No data available
Other Adverse effects:	No data available

Section 13 Disposal Considerations

Dispose of treated off cuts to authorised landfill. Consult Regional Council for disposal options. DO NOT use off cuts for heating or cooking fires or for barbecues or spit roasts. Avoid contact with ash; contains toxic compounds. Dispose of ash safely to an approved landfill.

Section 14 Transport Information

This substance is not classified as a dangerous good for Land Transport in New Zealand according to NZS5433: 2012

Section 15 Regulatory Information

This substance is NOT hazardous according to the *Hazardous Substance Regulations 2017*

Section 16 Other Information

This document has been compiled by RST Ltd as the manufacturer of the product and serves as the manufacturer's Safety Data Sheet ('SDS'). It is based on information concerning the product which has been provided by the manufacturer or obtained from third party sources and is believed to represent the current state of knowledge as to the appropriate safety and handling precautions for the product at the time of issue. Further clarification regarding any aspect of the product should be obtained directly from the manufacturer. While RST Ltd has taken all due care to include accurate and up-to-date information in this SDS, it does not provide any warranty as to accuracy or completeness. As far as lawfully possible, RST Ltd accepts no liability for any loss, injury or damage (including consequential loss) which may be suffered or incurred by any person as a consequence of their reliance on the information contained in this SDS.

The information herein is given in good faith, but no warranty, express or implied is made.

Please contact the Red Stag Timber Ltd, if further information is required.

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